Massachusetts Public Health Information Data Flow

BLS LIMS

IML-
Enteric,
PFGE,BT,
Reference,
Food, TB, QF

BtB – Viral,
STD, HIV

PerkinElmer –
CT,
Environmental

ORM

ORM

ORM

HL7
SLIS reporting to BID ELR

RHAPSODY INTERFACE ENGINE

MESSAGE
ROUTER — **ORM** — MESSAGE
— **HL7** — MAPPER

ORM/HL7

PRM

HL7   LRN-B   LRN-C

PHINMS Sender

HL7

PHLIP
LRN-B
LRN-C

Public Health
Labs

CDC

ELR SYSTEM

BLS ELR

BID ELR

Mapping Portal
to translate to
LOINC/SNOMED

EHR data

Syndromic
surveillance data
(AEGIS)

**Test
Order**

SMF,
HL7

**Log in
to ELR
For
Reports**

HL7

**Report
Notifiable
Diseases**

SMF, HL7

Hospitals,
Reference Labs, Health Care
Providers, Electronic Health Records

HIV/AIDS

HL7

MAVEN

(Epi and
Imm, TB,
STD, RIHP)

HL7

BID

Local Health
Departments

Health care
providers

**PHINMS /
NETSS**

HL7

CDC

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